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## Certificate of Facsimile Transmission

I hereby certify that the attached Transmittal (1 page) with Response to the Restriction Requirement dated March 22, 2006 (4 page), are to the U.S. Patent and Trademark Office via facsimile number 571-273-8300 on the date shown below. (Total 5 pages).

  
Hosoon Lee

Date: April 24, 2006

PATENT APPLICATION  
Attorney Doc. No. 5204-052  
Client Ref. No. PCT159US**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Jung-Hoon SHIN and Nam-Kyoo PARK

Serial No. 10/507,270 Examiner: Eric Boldt

Filed: September 9, 2004 Art Unit: 3663

Confirmation No. 4870

For: TOP-PUMPED OPTICAL DEVICE

**TRANSMITTAL LETTER**Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Enclosed for filing in the above-referenced application are the following:

- ☒ Response to Restriction Requirement  
☒ Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.

Customer No. 20575

Respectfully submitted,  
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**RESPONSE TO RESTRICTION REQUIREMENT**

Responsive to the Election/Restriction Requirement, dated March 22, 2006,  
Applicant hereby elects silica-based substance doped with nano-crystals and excited  
elements as species. Claim 4 as amended reads on this species. As recited in cancelled  
claim 5, the gain medium can be doped with nano-crystals and the excited elements.  
Also, the rare-earth element is a kind of "excited element." Claims 1-3 and 7-9 indicated  
as generic. Therefore, applicant respectfully requests that all of the claims 1-4 and 7-9 be  
examined.

Please amend the application as follows.

Amendments to the Claims are reflected in the listing of claims, which begins  
on page 2 of this paper.